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Abstracts book

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Measurements of Higher-Order Flow Harmonics at PHENIX 3

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Measurements of Higher-Order Flow Harmonics at PHENIX

Content :

Measurement of anisotropic particle production transverse to the beam direction, referred to as collective flow, has provided a powerful tool for characterizing ultrarelativistic heavy-ion collisions. We will present recent results on higher-order flow harmonics for different particle species at various Au+Au collision energies measured with the PHENIX experiment at the Relativistic Heavy Ion Collider. Through comparison of our flow measurements to hydrodynamic models, we derive constraints on the properties that characterize the strongly-coupled quark gluon plasma created during these collisions.

Primary authors : Dr. PAK, Robert (Brookhaven National Laboratory)

Co-authors :

Presenter : Dr. PAK, Robert (Brookhaven National Laboratory)

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Comments :

Robert Pak for the PHENIX Collaboration